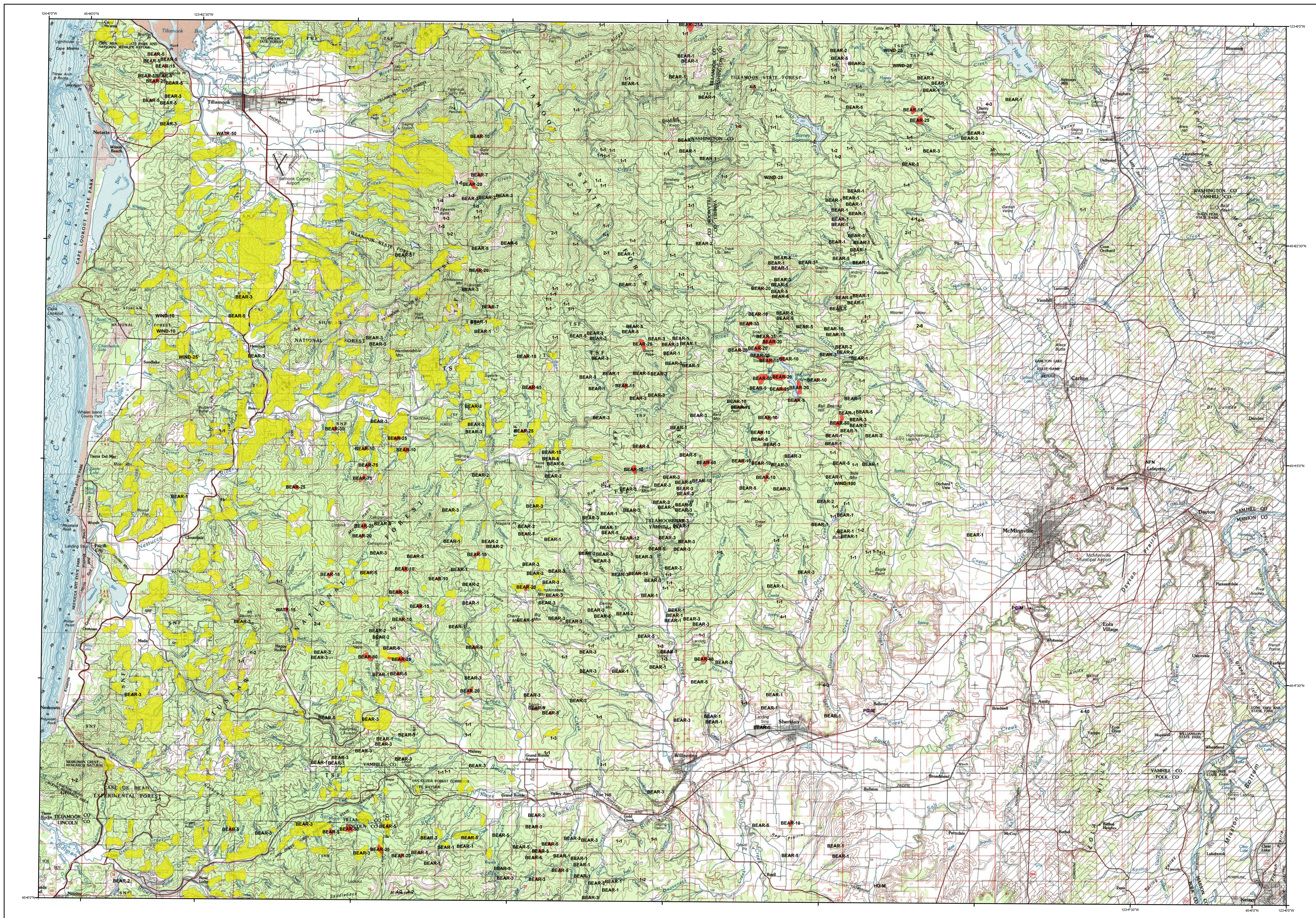


2007 Aerial Insect and Disease Survey

USGS 100K Quad Yamhill River - A145123; 2H



Defoliators		Mortality Agents	
Code	Damaging Agent	Code	Damaging Agent
AS	Spruce aphid	1	Douglas fir beetle
BS	Western blackheaded budworm	2	Douglas fir engraver
BM	Modor budworm	3	Spruce beetle
BP	Sugar pine tortrix	4	Fire engraver
BS	Western spruce budworm	5	Western balsam bark beetle
CH	Bryum's sign/lyopodromella	6	Mountain pine beetle
CH	Larch	6J	Mountain pine beetle
HL	Western hemlock looper	6L	Mountain pine beetle
LO	Green striped forest looper	6K	Mountain pine beetle
LL	Larch looper	6P	Mountain pine beetle
LS	Black pine needle scale	6S	Mountain pine beetle
MD	Douglas fir budmoth	6W	Mountain pine beetle
ML	Larch budmoth	7	Yip yip
UN	Douglas fir needle midge	8	Western pine beetle
NS	Spruce budmoth	8J	Western pine beetle
NO	Needle miner	8L	Western pine beetle
NJ	Needle miner	8W	Western pine beetle
NK	Needle miner	9	Needle miner
NL	Needle miner	9J	Needle miner
NM	Needle miner	9L	Needle miner
NP	Needle miner	9W	Needle miner
NS	Needle miner	10	Pondosa pine
NT	Needle miner	10J	Pondosa pine
NW	Needle miner	10L	Pondosa pine
OL	Western oak looper	10W	Pondosa pine
PC	Pine butterfly	11	True fir
PH	Pine needle cast	11J	True fir
PM	Phantom hemlock looper	11L	True fir
PN	Pandora moth	11W	True fir
PS	Pine needleshield miner	12	Hemlock
RC	Needle cast	12J	Hemlock
S	Spotted mite	12L	Hemlock
SA	Sawfly	12W	Hemlock
SD	Sawfly	13	Pondosa pine
SH	Sawfly	13J	Pondosa pine
SM	Sawfly	13L	Pondosa pine
SN	Sawfly	13W	Pondosa pine
SP	Swiss needle cast	14	Conifer
TA	Tent caterpillar, alder	14J	Conifer
TC	Tent caterpillar, other	14L	Conifer
TM	Douglas fir tussock moth	14W	Conifer
TS	Tent caterpillar, aspen	15	All species

USGS 100K Quad Yamhill River - A145123; 2H
2007 Aerial Insect and Disease Detection Survey
Mapscale: 1:100,000
Date: November 23, 2007

Legend

2007 Special Swiss Needle Cast Survey
More information about this special survey and the related data is located under 'Maps and Data' at: <http://www.oid.state.or.us/cp/rtr/>

Defoliating Agents

Mortality Agents

Other Damage

Areas Not Flown

The map base was created with TOPO! (Copyright 2001, National Geographic), available online at: www.ngmapstore.com

A data dictionary, digital copies of this map and Avogis Insect and disease data are available at: www.fs.fed.us/r6/nrr/fid/data.shtml

How the Aerial Surveys are Conducted

Data represented on this map are based on trees visibly affected by forest insects and diseases detected and recorded during aerial survey flights conducted by the USDA Forest Service and the Oregon Department of Forestry. Observers have just a few seconds to recognize the color difference between healthy and damaged trees of different species; diagnose causal agents correctly; estimate intensity, delineate the extent of damage; and precisely record this information on a georeferenced, digital map. Air turbulence, cloud shadows, distance from aircraft, haze, smoke and observer experience can all affect the quality of the survey. These data summaries provide an estimate of conditions on the ground and may differ from estimates derived by other methods.

The aerial survey provides information on the current status for many causal agents, and is important when examining insect activity trends by comparing historical and current survey data over large areas.

Overview surveys are a 'snap shot' in time and therefore may not be timed to accurately capture the true extent or severity of a particular disturbance activity. Specially designed surveys with modified flight patterns and timing may be conducted to more accurately delineate the extent and severity of a particular disturbance agent. Special surveys, such as Swiss needle cast surveys, are conducted when resources are available to address situations of sufficient economic, political or environmental importance.

DIRECT ALL INQUIRIES TO:

Oregon Department of Forestry
Forest Health Management
2600 State Street
Salem, Oregon 97310

-- OR --

USDA Forest Service, Region 6
Natural Resources
Forest Health Protection
PO Box 3623
Portland, Oregon 97208

****DISCLAIMER****
The insect and disease data presented should only be used as an indicator of insect and disease activity, and should be ground-checked for precise location, extent, severity and causal agent.
Color coded polygons show locations where trees were recently killed or defoliated. Intensity of damage is variable and not all trees within coded polygons are dead or defoliated.
The cooperators reserve the right to correct, update, modify or replace GIS products without notice. Using this map for purposes other than those for which it was intended may yield inaccurate or misleading results.